

Operating instructions

ES7810 cabinet lock set
Lock parts ES7830, ES7840, ES7850



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1 Introduction

About these instructions

These instructions contain important information with regard to the operation of the set for the ES7810 cabinet lock.

- Read through the instructions carefully.
- Keep the instructions in a safe place and pass them on to each subsequent owner/user of the cabinet lock ES7810 set.

Explanation of the symbols and signal words used

 WARNING	Indicates hazards which could result in severe or fatal injuries.
 CAUTION	Indicates hazards which could result in minor or moderate injuries.
CAUTION	Indicates hazards which could result in damage to property.
Note	Indicates information and tips for optimum use of the instructions and the product.

Target group

These instructions are directed at competent personnel entrusted with the servicing, care, disposal and maintenance of fault free operation of cabinet locks and who have received suitable training for these activities or have appropriate experience.

OPERTIS Support

If you have any questions which are not answered by the information provided in these instructions, please contact

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Up-to-date information

All details of the product, images, dimensions and versions are correct at the time of delivery of the product. We reserve the right to make changes in line with technical progress and the resulting continuous improvement process of our products.



The current version of these instructions and further information is also available on our internet site www.opertis.de.

Dated 01/2013

2 Product description



Component parts

The following cabinet lock variant is described in these instructions:

Art. No. / Name	Figure
ES7820 Cabinet lock	
ES7830 Lock part made of metal with ejection spring	

Possible combinations

The following lock parts can be combined with the cabinet lock.

Art. No. / Name	Figure
ES7840 Lock part made of plastic for double doors	
ES7850 Frontal lock part for sliding doors	

Operating principle

The ES7820 cabinet lock locks by means of a stop bolt on the lock part, optionally made of plastic or metal. The lock locks automatically 3 seconds after opening.

The cabinet lock is programmed solely via a programming card. No programming device, software or other aids are required.

Various types of passive identifiers without an independent power supply are available, for example, key fobs or cards, for authorisation at the ES7820 cabinet lock.

Detailed information

Further information on the product is given in Section 8 "Product specification"

3 Intended use

Area of use

The cabinet lock is suitable for wooden furniture with maximum wood thickness 20mm, depending on the type of identifier. (See following table) The lock is mounted on the inside of the furniture in conjunction with the corresponding lock part. It is intended for use within the protected interior of a building.

ES number	Transponder	Scanning range
ES7910	ID card	up to 20 mm
ES7930	Key	up to 16 mm
ES7940	Key fob type	up to 16 mm
ES7941	Key fob type	up to 20 mm
Other transponders		on request

Condition of the product

Cabinet locks may only be used if they are in faultless technical condition.

Independent modifications and changes to the product are not allowed.

Ambient conditions

Use on metal furniture or in particularly harsh environments with conditions such as high humidity, aggressive gases or extreme temperatures is not allowed. If you have any questions, please contact OPERTIS Support

CAUTION

Risk of damage to property

The battery operated cabinet lock emits an acoustic battery empty warning signal when the battery power is drawing to an end. The battery should then be replaced without delay. Ignoring the battery empty warning causes the cabinet lock to remain open all the time. It does not close again until a new battery is inserted.

Rarely used locks should be opened at least once a quarter, in order to check the battery condition.

Residual risk

If used properly as intended and in compliance with the maintenance instructions, this product will help to maintain your property security.

However, the following residual risks cannot be excluded:

CAUTION**Risk of damage to property**

There is a risk of permanent locking if the electromechanical components fail. In this case it is only possible to open the door by means of a mechanical emergency opening. Each lock part has a predetermined breaking point. Depending on the lock part, the breaking point reached till 35 kg.

If the battery is suddenly and completely discharged, the cabinet lock does not work. It does not signal any battery warnings. It is only possible to open the door by means of a mechanical emergency opening. Each lock part has a predetermined breaking point. Depending on the lock part, the breaking point reached till 35 kg.

CAUTION**Risk of damage to property**

If locks are seldom used, the batteries should be replaced after two years at the latest.

There is a risk that the lock can no longer be opened electronically. In this case it is only possible to open the door by means of a mechanical emergency opening. Each lock part has a predetermined breaking point. Depending on the lock part, this lies between 25 kg and 35 kg.

4 Safety instructions

The following safety instructions must be noted and followed before use! OPERTIS does not accept any liability whatsoever for personal injuries or damage to property caused by failure to follow these instructions!



WARNING

Risk of personal injuries due to the battery

Improper handling of the battery can result in health damage. Note and comply with the following instructions:

- Only use batteries supplied or approved by OPERTIS.
- Do not open, solder or weld the battery.
- Do not throw the battery in a fire.
- Do not recharge the battery.
- Remove the empty battery from the cabinet lock immediately.
- Keep the battery out of reach of children.
- Do not touch a leaked battery without appropriate protection. Do not bring into contact with the eyes or mouth.



CAUTION

Risk of damage to property

Malfunctions can occur if unapproved types of battery are used. The fitting then does not signal any battery warnings. Only use battery types approved by OPERTIS.

CAUTION

Risk of damage to property

Electronic components can be irreparably damaged if touched. Note and follow the regulations and instructions in the EN 61340-5-2 standard!

5 Operation and control

Setting the programming card and programming identifiers

The identifiers are programmed directly into the cabinet lock without a programming device or separate software.

Note

Registering the programming card

The programming card must always be registered **before installing** the ES7820 cabinet lock, as a button at the rear of the cabinet lock must be pressed for the registering process. Subsequent registering of the programming card requires the cabinet lock to be dismantled first.

Identifiers can also be registered following the installation.



Caution

Storage of the programming card

Following use, the programming card must be kept in a safe place and protected from unauthorised use. The programming card can be used to authorise identifiers for the lock at any time.



Setting the programming card:

Proceed as follows:

Step	Activity	Figure
1	Press the button at the rear of the cabinet lock. A fast consecutive clicking signal is sounded.	
2	Hold the programming card in front of the lock within three seconds.	
3	Two short, ascending tones (Sounds) confirm that the programming card has been saved.	


Registering the identifier

Proceed as follows:

Step	Activity	Figure
1	Hold the programming card in front of the lock. A fast consecutive clicking signal is sounded.	
2	Hold the identifier in front of the lock within three seconds.	
3	Two short, ascending tones confirm that the identifier has been saved.	
4	In this way, you can register up to 49 identifiers.	



Opening the lock

Proceed as follows:

Step	Activity	Figure
1	Hold the identifier in front of the position sticker. Two ascending tones sound.	
2	The door or drawer can now be opened.	
3	The lock closes automatically after 3 seconds.	



Delete individual identifiers

Proceed as follows:

Step	Activity	Figure
1	Hold the programming card in front of the lock. A fast consecutive clicking signal is sounded.	
2	Hold the identifier in front of the lock within three seconds.	
3	Four constant tones confirm that the identifier has been deleted.	

Delete all identifiers

Proceed as follows:

Step	Activity	Figure
1	Hold the programming card in front of the lock. A fast consecutive clicking signal is sounded.	
2	Continue to hold the programming card in front of the lock. A consecutive clicking signal is sounded. A long tone then confirms that all identifiers have been deleted.	

Replacing the battery

Note

Note the details of the battery type given in the "Technical Data" section.

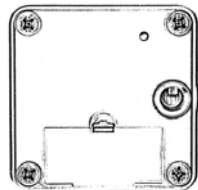
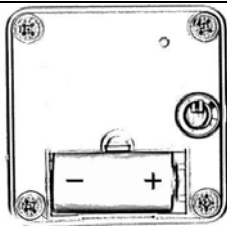
CAUTION

Risk of damage to property

If locks are used rarely, the batteries should be replaced after two years at the latest.

There is a risk that the lock can no longer be opened electronically.

Proceed as follows:

Step	Activity	Figure
	Open the furniture door with the help of the identifier and press down the clip to open the battery compartment.	
2	Remove the battery cover and take out the empty battery.	
3	Insert the new, full battery as drawn in the cabinet lock.	
4	Close the battery cover and then carry out a test opening.	

Acoustic signals

Mode	Acoustic signal	Meaning
Programming mode	Continuous, fast consecutive clicking signal lasting approx. 7 seconds.	Programming mode switched on
Programming mode	2 ascending tones.	Card successfully registered.
Programming mode	4 constant short tones.	Card deleted.
Programming mode	Continuous, consecutive clicking signal lasting approx. 15 seconds. Then one long tone.	All authorised identifiers have been deleted.
Normal operation	2 ascending tones.	Furniture lock opened successfully.
Normal operation	4 constant short tones.	Card not authorised.
Normal operation	Continuous tone lasting approx. 15 seconds.	Battery warning. The battery must be replaced without delay. The lock is continuously open while the battery is empty.

6 Maintenance and cleaning

Maintenance and cleaning may only be carried out by qualified personnel. We do not provide any warranty whatsoever for damage caused by improper handling.

CAUTION

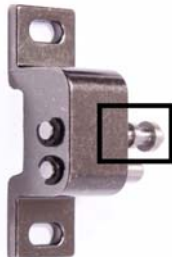
Material damage due to incorrect cleaning

Incorrect cleaning can affect and damage the surfaces:

- Clean the cabinet lock from the outside only.
- Do not use alkali, acidic or chlorine-containing cleaning agents.
- Do not use cleaning agents containing abrasive additives.
- Do not use abrasive instruments, e.g. brushes.
- Do not allow oil or grease to get inside the cabinet lock.

Maintenance

Proceed as follows:

Step	Activity	Figure
1	Once a year, wetten the stop bolt (see surround) at the lock part using Fin Super (OPERTIS ES0281 maintenance set).	

Cleaning and maintenance

Proceed as follows:

Step	Activity	Figure
1	Wipe down surfaces with a clean, dry and lint free cloth only.	

7 Problems and solutions

Problem	Possible cause	Solution
Cabinet lock does not open	The identifier is not authorised.	Register the identifier
	Identifier is defective	Replace the identifier
	Battery is empty or defective.	Replace the battery and operate the cabinet lock once.
Programming card does not respond.	Wrong programming card register	Please contact OPERTIS Support. See page 4

8 Product specification

Declaration of Conformity

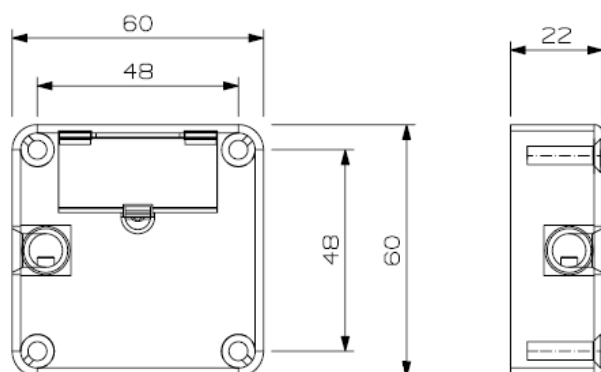
OPERTIS GmbH herewith declares that the cabinet locks conforms to the fundamental requirements and other relevant regulations of ETSI EN 300 330-2 (04/2006) and ETSI EN 300 330-1 (04/2006) and is in conformity with CE.

A copy of the Declaration of Conformity can be obtained through OPERTIS Support.

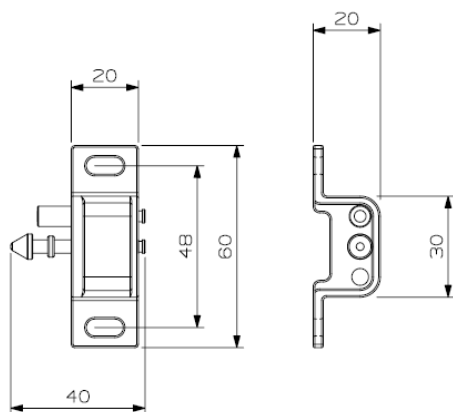
Dimensions

All dimensions given in mm.

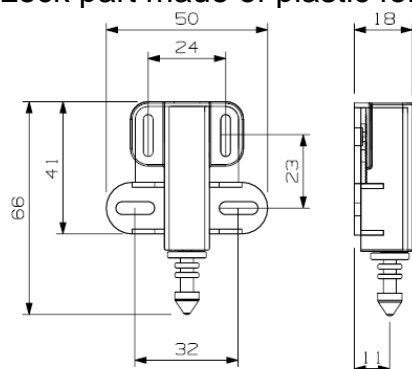
Cabinet lock



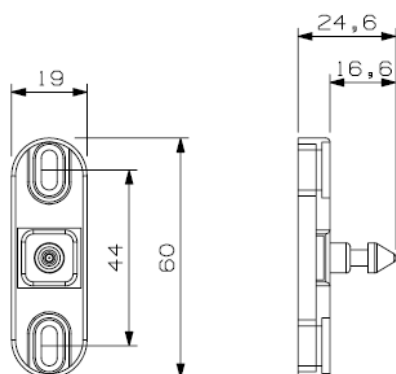
ES7830 lock part made of metal with ejection spring



Lock part made of plastic for double doors, ES8740



Frontal lock part for sliding doors, ES7850



Technical data

ES7820 cabinet lock

Dimensions	60 x 60 x 22 mm
Surface	Plastic

Lock part made of metal with ejection spring, ES7830

Dimensions	60 x 20 x 20 mm
Material	Metal
Predetermined breaking point	At 35 kg

Lock part made of plastic for double doors, ES8740

Dimensions	66 x 50 x 18 mm
Material	Plastic
Predetermined breaking point	At 25 kg

Frontal lock part for sliding doors, ES7850

Dimensions	60 x 19 x 24.6 mm
Material	Plastic and metal
Predetermined breaking point	At 35 kg

Power supply

Supply voltage	3 volt lithium battery CR123A OPERTIS Art. No.: ES0892. Approved battery types: ● Panasonic CR123
Battery life: ● Operation in standby ● Closures (total)	Depending on use conditions and fitting type: ● up to 3 years or ● up to 30,000 closures

Specific data

Operating temperature	+2 °C to +40 °C
Storage temperature	+2 °C to +40 °C
Humidity for operation and storage	max. 95% non-condensing
Memory capacity in the cabinet lock:	OPERTIS
Identifier	49

9 Disposal

Product



Disposal in accordance with WEEE Directive 2002/96/EC:

- Do not dispose of product in the local household waste.
- Send product back to OPERTIS or dispose of it at a communal collection point for hazardous electronic wastes.

Batteries



- Do not dispose of batteries in the local household waste system, but instead at the public battery collection points.
- Do not throw batteries into a fire.
- Do not store used batteries together.
- Only dispose of batteries if they are discharged.

Notes



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